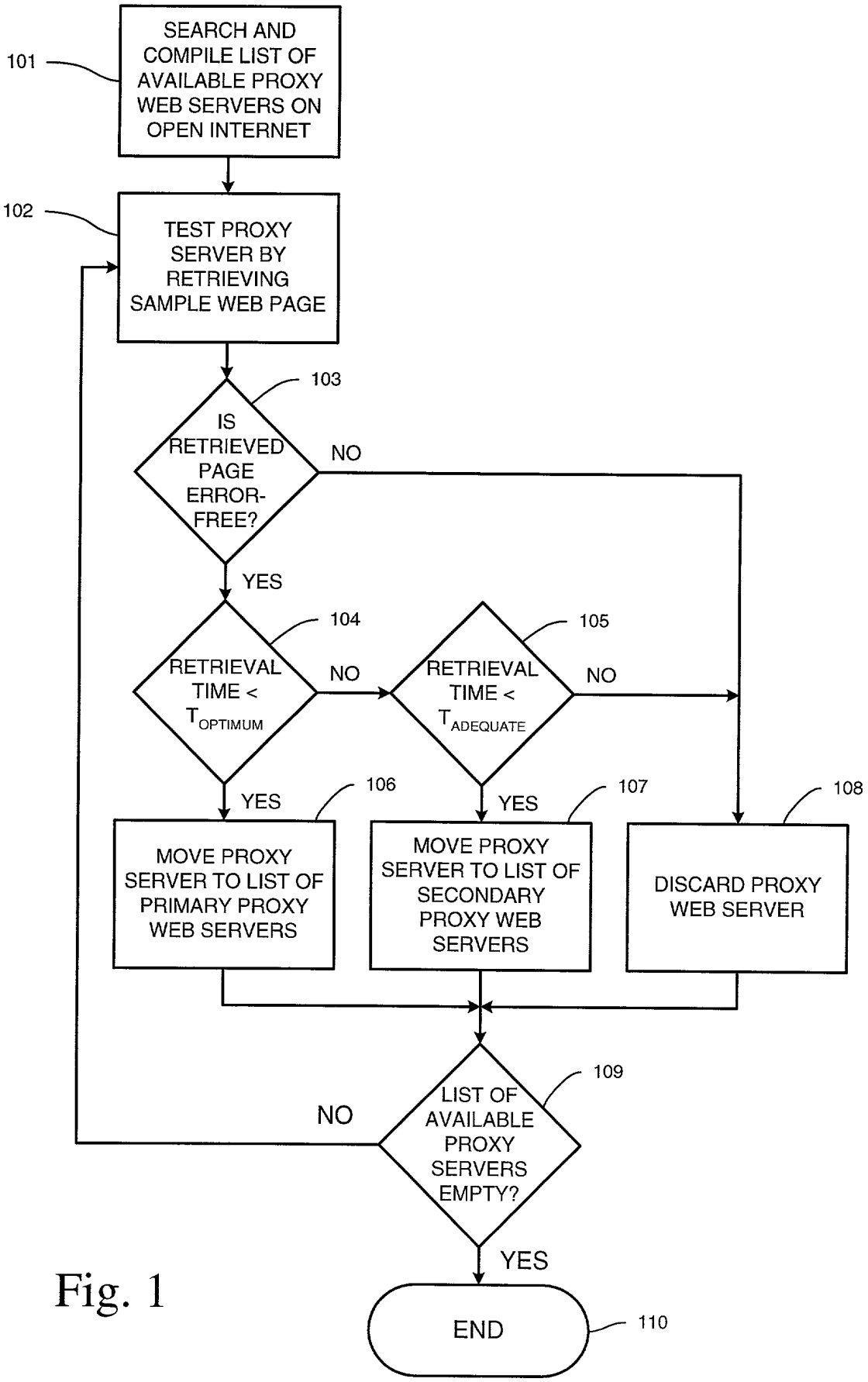

SEARCH AND COMPILE LIST OF AVAILABLE PROXY WEB SERVERS ON OPEN INTERNET
101
TEST PROXY SERVER BY RETRIEVING SAMPLE WEB PAGE
102
IS RETRIEVED PAGE ERROR-FREE?
103
NO
YES
RETRIEVAL TIME < $T_{OPTIMUM}$
104
NO
RETRIEVAL TIME < $T_{ADEQUATE}$
105
NO
YES
106
MOVE PROXY SERVER TO LIST OF PRIMARY PROXY WEB SERVERS
YES
107
MOVE PROXY SERVER TO LIST OF SECONDARY PROXY WEB SERVERS
108
DISCARD PROXY WEB SERVER
LIST OF AVAILABLE PROXY SERVERS EMPTY?
109
NO
YES
END
110

Fig. 1

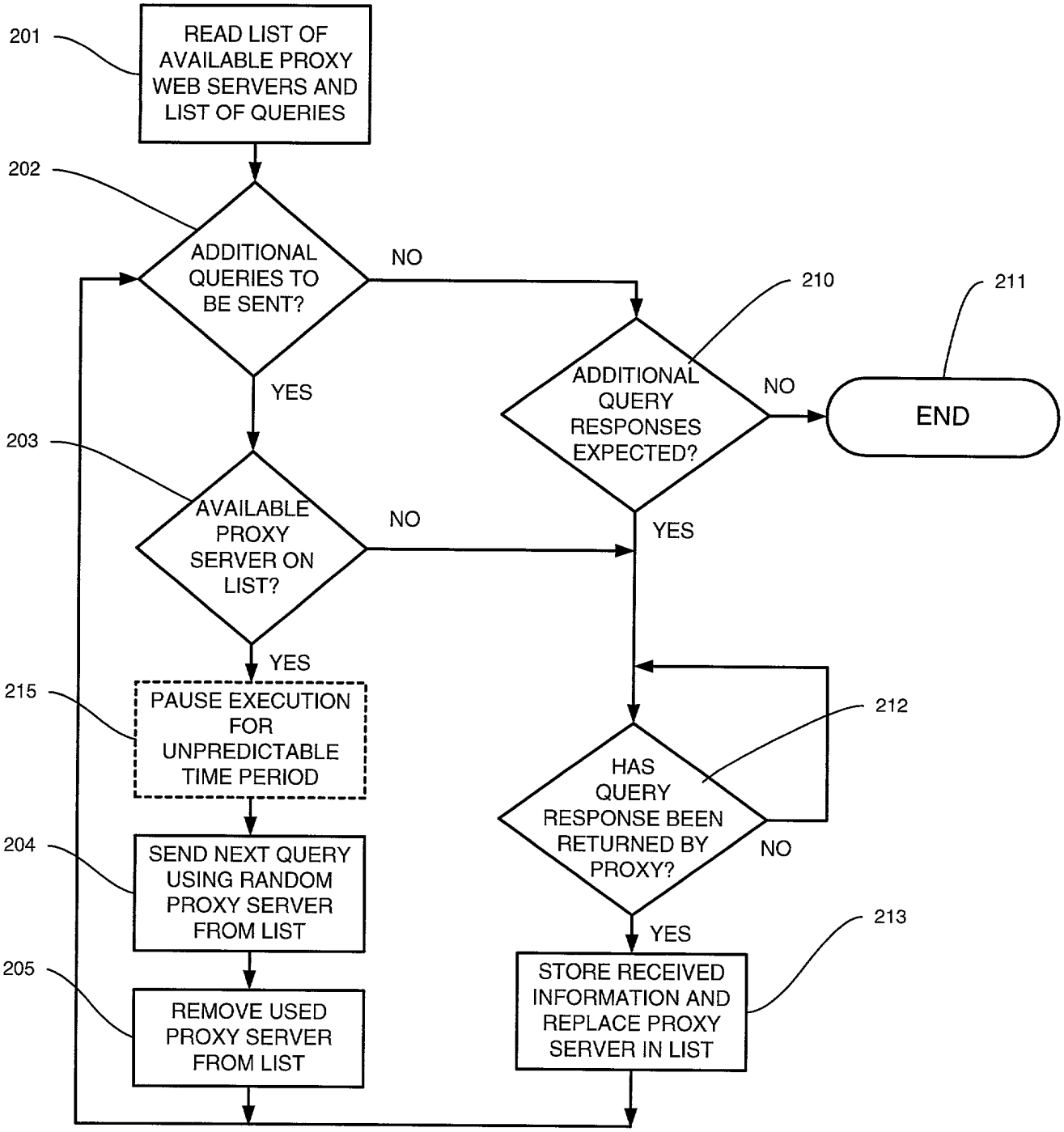


Fig. 2

Attorney Docket No. 2000-0609

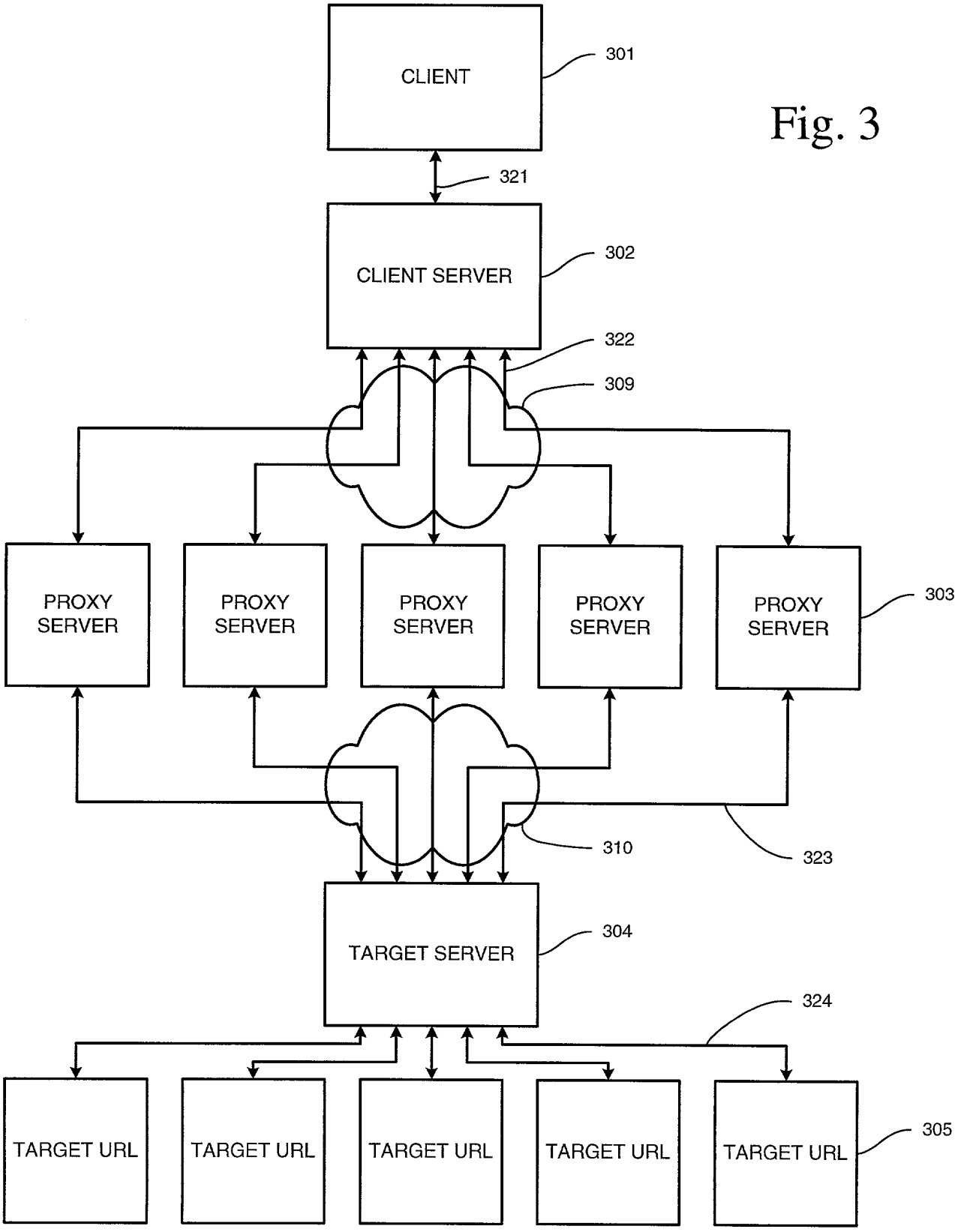


Fig. 3

Express Mail No. EV 339 908 525 US

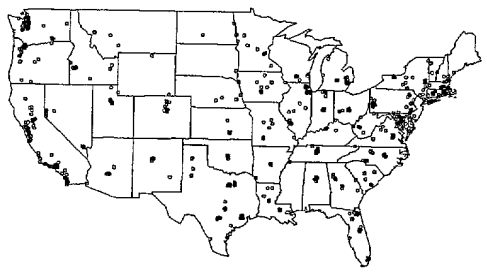


FIG. 4A

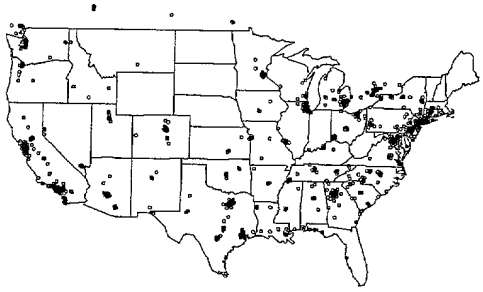
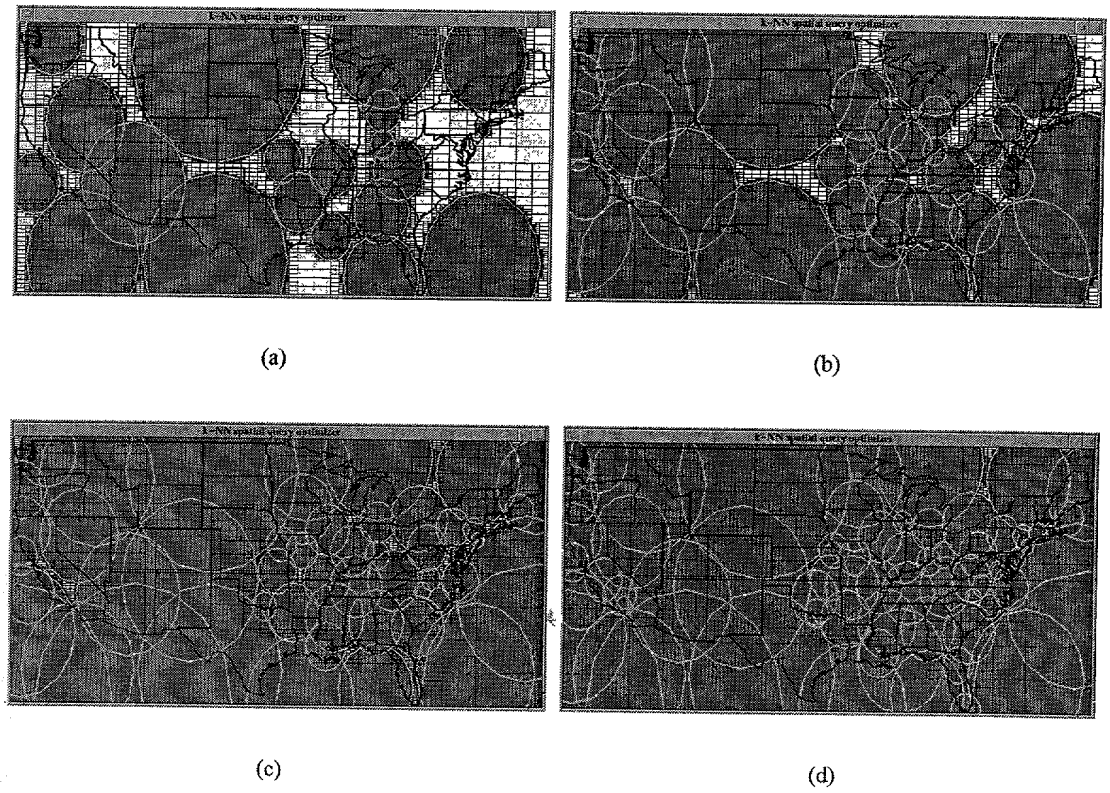


FIG. 4B



(a) (b)

(c) (d)

FIG. 5

	$k = 5$		$k = 10$		$k = 20$		$k = 30$		$k = 40$	
	QUAD	ρ	**QUAD**	ρ	**QUAD**	ρ	**QUAD**	ρ	**QUAD**	ρ
Dataset 1	411	2.7	191	2.6	94	2.5	60	2.4	42	2.2
Dataset 2	435	2.6	207	2.4	99	2.3	65	2.3	54	2.6

FIG. 6

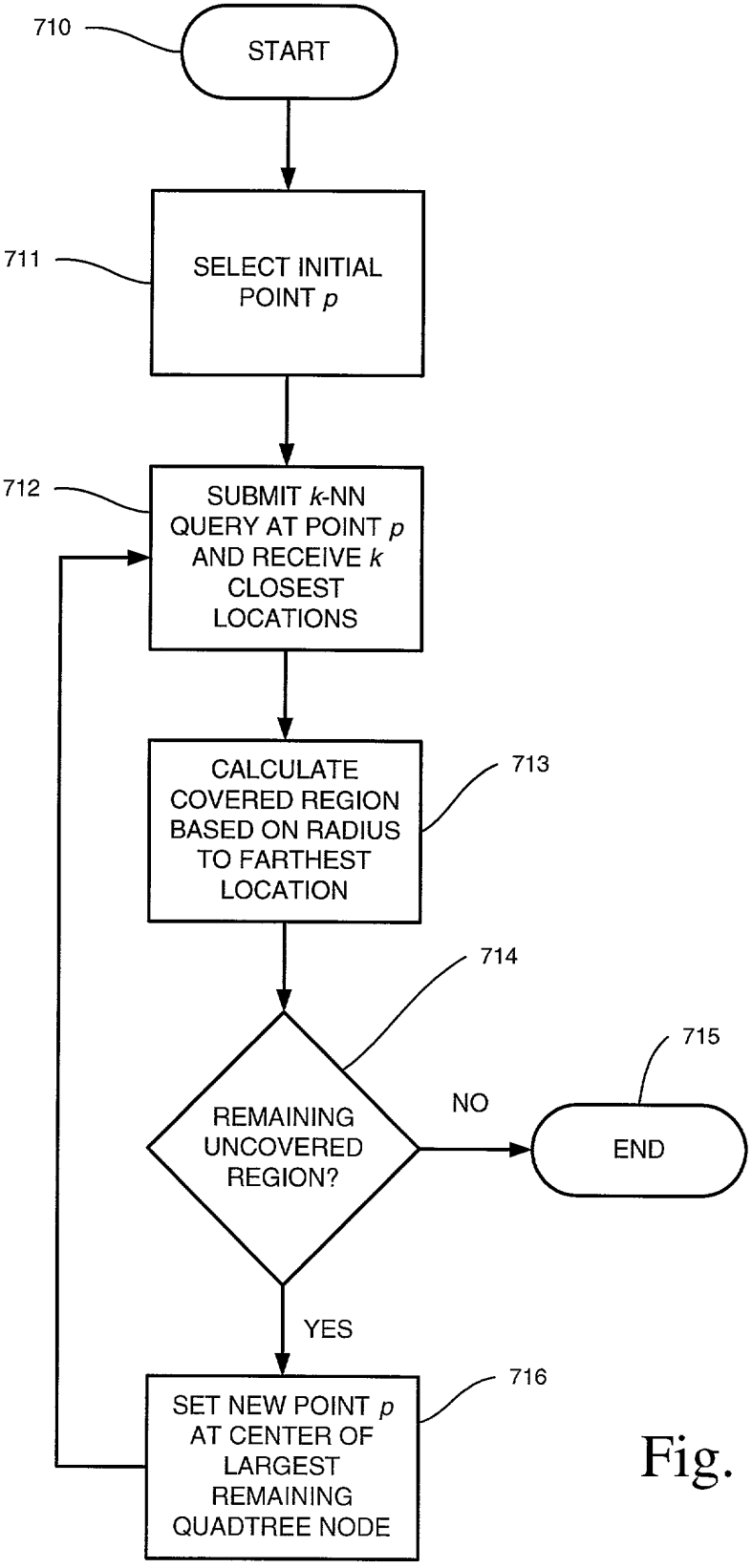

710
START
711
SELECT INITIAL POINT p
712
SUBMIT k-NN QUERY AT POINT p AND RECEIVE k CLOSEST LOCATIONS
713
CALCULATE COVERED REGION BASED ON RADIUS TO FARTHEST LOCATION
714
REMAINING UNCOVERED REGION?
NO
715
END
YES
716
SET NEW POINT p AT CENTER OF LARGEST REMAINING QUADTREE NODE

Fig. 7